



## WORKING GROUP 2205-1 ON TRAINING, QUALIFICATION & EXAMINATION OF REMOTE PILOTS, INSTRUCTORS & EXAMINERS - "SPECIFIC" OPERATIONAL CATEGORY

### The Current Situation

In the European Union (EU), the employment of **certified** remote pilots by operators to conduct flight missions (BVLOS; below 400ft) in the "Specific" operational category, is a legal requirement and conditions the validity of the applicable insurance and the operator's liability.

A remote pilot certificate covering all activities likely to occur in the "Specific" operational category, and duly recognized by all EU Member States, currently does not exist. Consequently, it is problematic for an operator to conduct flight missions in any EU country other than his own.

The learning objectives of remote pilot training organisations in the EU Member States are not harmonized. In addition, the relevant examination criteria and the examination

processes have not been defined at EU level, and the standards relative to the aforementioned only partially exist.

In this context, it is to be noted that the examination aspect, even if managed by each National Aviation Authority (NAA), is inseparable from training and qualification. It requires the development of guidelines (e.g., practical skill assessment for standard scenarios is to be conducted by declared operators and/or entities recognized by NAAs, but the applicable Implementing Regulations contain limited guidelines to this extent).

Instructor and examiner roles have been sidelined in the EU Regulations and absolutely require detailed attention.

### Motivation & Start-Up

If the indicated problems are not resolved, **the European professional drone operations market in the "Specific" operational category will not be able to develop**, which obviously will have a negative effect on the entire drone ecosystem. Hence, the need for urgent action.

Recognising the looming threat, United Systems Europe (USE) has initiated the start-up of **Working Group 2205-1 on Training, Qualification & Examination of Remote Pilots, Infrastructure & Examiners in the "Specific" Operational Category**.

### Objectives & Guidelines

By means of **4 Sub-Groups & 19 specialized Focus Groups**, WG 2205-1 is undertaking concerted actions to advance:

- 1 The harmonization of:
  - Learning objectives and training syllabi;
  - Competence assessment criteria;
  - Examination processes across Europe;with the aim of achieving mutual recognition of pilot qualifications in the EU.
- 2 Professional training, qualification & examination of remote pilots & instructors in the "Specific" category, as well as related tools, standards and recommendations.
- 3 Harmonization of the applicable terminology & nomenclature.
- 4 The qualification of flight training organisations.
- 5 The establishment of basic safety rules for flight training sites in the EU.

6 The establishment of compliance criteria for pilot training simulators & the related software.

7 The establishment of compliance criteria for the possible use of virtual, extended, assisted, and mixed reality.

WG 2205-1 will avoid the duplication of ongoing efforts and will coordinate with the entities deploying such efforts.

WG 2205-1 will take into consideration and review all relevant existing national, European and international documents, standards and best practices.

WG 2205-1 may possibly evolve and address:

- Pilots in the certified category (e.g. on-board & remote pilots for flying taxis).
- Other flight team members in the "Specific" & "Certified" operational categories.

### Sub-Groups (SG)

WG 2205-1 has the following 4 Sub-Groups:

#### 1. Terminology

Goal: Create a list of commonly used terms and acronyms by industry, especially in the scope of training, and clarify those that are still ambiguous by aligning the corresponding vocabulary to the manned aviation ecosystem (e.g. trainer or instructor?).

#### 2. Modules & Training Syllabi

Goal: In addition to those published in AMC3 UAS. SPEC.050(1)(d), define additional operation-specific endorsement modules and write the corresponding

detailed training syllabi. For each module, define adequate training and up-to-date requirements for remote pilots, instructors and examiners.

#### 3. Model Documents

Goal: Create model documents for the "Practical Skill Assessment Report" & "Progress Booklet" that must be used for practical skill training & assessment of remote pilots.

#### 4. Training & Assessment Guidelines

Goal: Define generic training & assessment guidelines for instructors and examiners, in complement to the existing KSAs (Knowledge, Skills & Attitudes).

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## Focus Groups (FG)

WG 2205-1 currently has 19 Focus Groups (FG), each with a clearly defined deliverable. The FGs are being initiated incrementally, and most of the work will be conducted remotely.

### SG 1 Terminology

- FG 1.1** Database of standards, norms & reference documents pertinent to WG 2205-1
- FG 1.2** Terminology applicable to training & examination
- FG 1.3** Terminology applicable to UAS operations-related systems, procedures & matters
- FG 1.4** Terminology applicable to relevant functions, roles & responsibilities

### SG 2 Training Modules & Syllabi

- FG 2.1** Prerequisite training organisation guidelines
- FG 2.2** Generic theoretical & practical training syllabi - Remote pilots & other personnel
- FG 2.3** Generic theoretical & practical endorsement modules & associated detailed training syllabi - Remote pilots & other personnel
- FG 2.4** Theoretical & practical training syllabi - Remote pilots & other personnel STS
- FG 2.5** Generic theoretical & practical training syllabi - Instructor
- FG 2.6** Generic theoretical & practical training syllabi - Examiners
- FG 2.7** Generic theoretical & practical training syllabi - Emergency Response Plan (ERP)

### SG 3 Model Documents

- FG 3.1** Generic progress booklet & examination report models for remote pilots and other personnel (practical training and examination)
- FG 3.2** Progress booklet & examination report models for remote pilots STS (practical training & examination)
- FG 3.3** Progress booklet & examination report models for instructors (generic practical training & examination)
- FG 3.4** Progress booklet & examination report models for examiners (generic practical training & examination)

### SG 4 Training & Assessment

- FG 4.1** General training & examination guidelines for:
  - Remote pilots and other personnel
- FG 4.2** Training & examination guidelines for:
  - Practical training of remote pilots & remote pilot examination in the context of STS
- FG 4.3** Training & examination guidelines for:
  - The Instructor role
- FG 4.4** Training & examination guidelines for:
  - The Examiner role

## Call for Participation & Contribution

All organisations with relevant expertise and experience from all countries are invited to visit the USE web site and evaluate the interest of joining this urgent community effort, which will benefit the entire drone ecosystem.

## Suggested Participation

Drone operators (private & public); producers (drones, system elements, sub-systems, sub-assemblies); flight training organisations, examination organisations; test & demonstration sites; aviation service providers; other service suppliers (incl. conformity & safety risk assessment); public entities, national regulators; researchers; academia; education; standard producing organisations; Qualified Entities; Notified Bodies; Designated Bodies.

## Participation - Conditions & Procedure for Joining

Participation in USE Working Group 2205-1 requires USE membership & WG 2205-1 participation application. Consequently, the USE Membership Application and the WG 2205-1 Participation Form (Focus Group participation selection & Focus Group Leader candidacy submission) are to be completed and submitted.

**Note:** The Focus Group Leaders are elected by the FG participants.

[USE Membership Information](#)

[USE Membership Application](#)

[WG 2205-1 Participation Form](#)

## About United Systems Europe (USE)

United Systems Europe (USE) is a non-profit association registered in The Netherlands. It was established as the result of a consolidated European drone community initiative, with the objective to contribute to the creation and growth of a safe, harmonized, sustainable & socially acceptable market for manually operated, automated & autonomous (MAA) systems for professional operations in the aerial, terrestrial, nautical and space sectors.

[United Systems Europe](#)

[The USE Fact Sheets](#)

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Subject Matter Comments & Suggestions

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